



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE  
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**Emera Maine  
Washington County  
Eastport, Maine  
A-614-71-F-R/M (SM)**

**Departmental  
Findings of Fact and Order  
Air Emission License  
Renewal and Minor Revision**

**FINDINGS OF FACT**

After review of the air emissions license application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes Annotated (M.R.S.A.), §344 and §590, the Maine Department of Environmental Protection (Department) finds the following facts:

**I. REGISTRATION**

**A. Introduction**

Emera Maine (Emera) has applied to renew their Air Emission License permitting the operation of emission sources associated with a diesel generator.

This equipment was previously licensed to Bangor Hydro-Electric Company. On January 1, 2014 Bangor Hydro-Electric Company merged with Maine Public Service. Bangor Hydro-Electric Company was the surviving entity from the merger and subsequently changed their name to Emera Maine. Therefore, the change is a change in name only and does not denote a change in ownership.

Emera has requested a minor revision to their license in order to remove Generators #1 and #2 from their license. These generators have been decommissioned and taken out of service.

The equipment addressed in this license is located off Route 190 in Eastport, Maine.

B. Emission Equipment

The following equipment is addressed in this air emission license:

**Generators**

| <u>Equipment</u> | <u>Power<br/>Output<br/>KW</u> | <u>Max Heat<br/>Input<br/>(MMBtu/hr)</u> | <u>Firing Rate<br/>(gal/hr)</u> | <u>Fuel Type,<br/>% sulfur</u> | <u>Install.<br/>Date</u> |
|------------------|--------------------------------|--|---------------------------------|--------------------------------|--------------------------|
| Generator #3     | 2,000                          | 21.2                                     | 155                             | diesel, 0.0015%                | 1962                     |

C. Application Classification

The application for Emera does not include the licensing of increased emissions or the installation of new or modified equipment. Therefore, the license is considered to be a renewal of currently licensed emission units only and has been processed through *Major and Minor Source Air Emission License Regulations*, 06-096 Code of Maine Rules (CMR) 115 (as amended). With the operating hours restriction on the generator, the facility is licensed below the major source thresholds and is considered a synthetic minor.

**II. BEST PRACTICAL TREATMENT (BPT)**

A. Introduction

In order to receive a license, the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for existing emissions equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;
- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

B. Generator #3

Emera operates Generator #3 on a limited basis to provide electricity during shortfalls in regular capacity or when regulation of system voltage is required. Generator #3 is rated at 21.2 MMBtu/hr and fires diesel fuel with a maximum sulfur content of 0.0015% by weight. It was manufactured and installed in 1962.

**1. 40 CFR Part 63, Subpart ZZZZ**

The federal regulation 40 CFR Part 63, Subpart ZZZZ, *National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines* is applicable to the Generator #3.

Emera uses Generator #3 to supply power to the grid as part of a financial agreement. Therefore, this engine does not meet the definition of an emergency engine per 40 CFR Part 63, Subpart ZZZZ. Generator #3 is classified as an existing, non-emergency, stationary compression ignition (CI) reciprocating internal combustion engine (RICE) at an area source of HAP.

Per Subpart ZZZZ, Generator #3 is subject to emission limits for CO. Emera will comply with the option to meet the 23 ppmvd CO at 15% O<sub>2</sub> emission limit or to reduce CO emissions by 70% or more through use of an oxidation catalyst. Emera has elected to demonstrate compliance through a continuous parameter monitoring system (CPMS) instead of the use of a continuous emission monitoring system (CEMS).

On April 9, 2013, EPA granted Emera (formerly Bangor Hydro-Electric Company) an extension of their compliance deadline to May 3, 2014. EPA also approved an extension of the emissions testing deadline to within 180 days of startup after the installation of controls but no later than October 30, 2014.

**a. Operation Requirements**

|   | <b>Compliance Dates</b>   | <b>Operating Limitations</b>  |
|---|---------------------------|---|
| Non-Emergency, non-black start CI stationary RICE >500 HP | No later than May 3, 2014 | <ul style="list-style-type: none"><li>- Limit concentration of CO in the exhaust to 23 ppmvd at 15% O<sub>2</sub> <u>or</u> reduce CO emissions by 70% or more (Table 2d);</li><li>- Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply (Table 2d);</li><li>- Maintain the catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test (Table 2b); and</li><li>- Maintain the temperature of the exhaust so that the catalyst inlet temperature is 450°F – 1350°F. (Table 2b)</li></ul> |

**b. Crankcase Filtration**

Emera shall operate on Generator #3 an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.

[40 CFR §63.6625(g)(2)]

**c. Continuous Parameter Monitoring System (CPMS)**

(1) Emera shall install, operate, and maintain a CPMS on Generator #3.

(2) Emera shall monitor the catalyst inlet temperature and reduce this data to 4-hour rolling averages to demonstrate compliance with the limitations on the catalyst inlet temperature range.

(3) Emera shall monitor the pressure drop across the catalyst once per month to demonstrate compliance with the operating limit established during the last performance test.

(4) Emera shall prepare a site-specific monitoring plan that addresses the requirements outlined in 40 CFR §63.6625(b)(1).

(5) The CPMS shall be continuously operated in accordance with the site-specific monitoring plan at all times that Generator #3 is operating except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities.

(6) The CPMS shall collect data at least once every 15 minutes.

(7) The minimum tolerance for a CPMS measuring temperature is 5°F or 1% of the measurement range, whichever is larger.

(8) CPMS audit procedures shall be performed at least annually.

[40 CFR §63.6625(b), §63.6635, and Table 6]

**d. Performance Tests**

(1) Emera shall conduct an initial performance test in accordance with Table 4 of Subpart ZZZZ within 180 days of startup after installation of controls but no later than October 30, 2014. [40 CFR §63.6612(a)]

(2) Emera shall conduct three separate test runs for each performance test. Each test run must be at least 1 hour, unless otherwise specified.

[40 CFR §63.6620(d)]

(3) The engine percent load during a performance test shall be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination shall be included in the notification of compliance status. The report shall contain the information specified in 40 CFR §63.6620(i).

(4) During the performance test the facility must establish the pressure drop across the catalyst to be used to demonstrate compliance per the CPMS. [40 CFR §63.6630(b)]

(5) If the facility changes the catalyst, Emera shall reestablish the values of the operating parameters measured during the performance test. In

order to reestablish the operating parameters, the facility shall conduct a performance test to demonstrate that the required emission limitation is being met. [40 CFR §63.6640(b)]

- (6) Emera shall perform performance tests every 8,760 hours of operation or 3 years, whichever comes first. (Due to the 500 hr/yr limit on Generator #3, the 3 years should always come first.)  
[40 CFR §63.6640(a), Table 3, and Table 6]

**e. Ultra-Low Sulfur Diesel Fuel Requirement**

The diesel fuel fired in Generator #3 shall not exceed 15 ppm sulfur (0.0015% sulfur) by weight. [40 CFR §63.6604(a)]

**f. General Requirement to Minimize Emissions**

At all times the facility shall operate and maintain Generator #3, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR §63.6605(b)]

**g. Reporting**

Emera shall submit to EPA all reports required by Subpart ZZZZ including, but not limited to, the following:

- (1) Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin.  
[40 CFR §63.6645(g)]
- (2) Notification of Compliance Status within 60 days of completion of the initial compliance test. [40 CFR §63.6645(h)]
- (3) Semiannual Compliance Reports. [40 CFR §63.6650 and Table 7]

**h. Record Keeping**

Emera shall keep all records required by Subpart ZZZ including, but not limited to, the following:

- (1) A copy of each notification and report that was submitted to comply with Subpart ZZZZ, including all supporting documentation;
- (2) Records of the occurrence and duration of each malfunction of the engine, pollution control equipment, or monitoring equipment;
- (3) Records of performance tests and performance evaluations;
- (4) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions taken to restore normal operation;
- (5) Monitoring data from the CPMS; and
- (6) Records of maintenance conducted on Generator #3 and control equipment to demonstrate the equipment was operated and maintained according to the maintenance plan.

[40 CFR §63.6655]

**2. BPT Findings**

The requirements of 40 CFR 63, Subpart ZZZZ are considered part of the BPT for Generator #3.

The BPT emission limits for Generator #3 are based on the following:

- PM/PM<sub>10</sub> - 0.12 lb/MMBtu from 06-096 CMR 103
- SO<sub>2</sub> - combustion of diesel fuel with a maximum sulfur content not to exceed 15 ppm (0.0015% sulfur)
- NO<sub>x</sub> - 3.39 lb/MMBtu from A-614-71-C-M dated 12/30/98
- CO - 0.255 lb/MMBtu based on 70% reduction from AP-42 dated 10/96 or 23 ppmvd CO at 15% O<sub>2</sub>
- VOC - 0.09 lb/MMBtu from AP-42 dated 10/96
- Opacity - 06-096 CMR 101

The BPT emission limits for Generator #3 are the following:

| <u>Unit</u>  | <u>PM<br/>(lb/hr)</u> | <u>PM<sub>10</sub><br/>(lb/hr)</u> | <u>SO<sub>2</sub><br/>(lb/hr)</u> | <u>NO<sub>x</sub><br/>(lb/hr)</u> | <u>CO<br/>(lb/hr)</u>     | <u>CO<br/>(lb/hr)</u>    | <u>VOC<br/>(lb/hr)</u> |
|--------------|-----------------------|------------------------------------|-----------------------------------|-----------------------------------|---------------------------|--------------------------|------------------------|
| Generator #3 | 2.55                  | 2.55                               | 0.03                              | 72.00                             | 18.05<br>before<br>5/3/14 | 5.42*<br>after<br>5/3/14 | 1.91                   |

\*or 23 ppmvd CO at 15% O<sub>2</sub>

Visible emissions from Generator #3 shall not exceed 30% opacity on a 6-minute block average, except for no more than two (2) six (6) minute block averages in a 3-hour period.

Generator #3 shall be limited to 500 hours of operation a year, based on a 12-month rolling total. Emera shall keep records of the hours of operation.

C. Annual Emissions

1. Total Annual Emissions

Emera shall be restricted to the following annual emissions, based on a 12 month rolling total. The tons per year limits were calculated based on 500 hrs/yr for Generator #3:

**Total Licensed Annual Emissions for the Facility**

**Tons/year**

(used to calculate the annual license fee)

|                  | PM         | PM <sub>10</sub> | SO <sub>2</sub> | NO <sub>x</sub> | CO         | VOC        |
|------------------|------------|------------------|-----------------|-----------------|------------|------------|
| Generator #3     | 0.6        | 0.6              | 0.01            | 18.0            | 1.4        | 0.5        |
| <b>Total TPY</b> | <b>0.6</b> | <b>0.6</b>       | <b>0.01</b>     | <b>18.0</b>     | <b>1.4</b> | <b>0.5</b> |

2. Greenhouse Gases

Greenhouse gases are considered regulated pollutants as of January 2, 2011, through 'Tailoring' revisions made to EPA's *Approval and Promulgation of Implementation Plans*, 40 CFR Part 52, Subpart A, §52.21 Prevention of Significant Deterioration of Air Quality rule. Greenhouse gases, as defined in 06-096 CMR 100 (as amended), are the aggregate group of the following gases: Carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. For licensing purposes, greenhouse gases (GHG) are calculated and reported as carbon dioxide equivalents (CO<sub>2</sub>e).

Based on the facility's fuel use limit(s), the worst case emission factors from AP-42, IPCC (Intergovernmental Panel on Climate Change), and *Mandatory Greenhouse Gas Reporting*, 40 CFR Part 98, and the global warming potentials contained in 40 CFR Part 98, Emera is below the major source threshold of 100,000 tons of CO<sub>2</sub>e per year. Therefore, no additional licensing requirements are needed to address GHG emissions at this time.

### III. AMBIENT AIR QUALITY ANALYSIS

The level of ambient air quality impact modeling required for a minor source shall be determined by the Department on a case-by case basis. In accordance with 06-096 CMR 115, an ambient air quality impact analysis is not required for a minor source if the total emissions of any pollutant released do not exceed the following levels and there are no extenuating circumstances:

| <b>Pollutant</b> | <b>Tons/Year</b> |
|------------------|------------------|
| PM <sub>10</sub> | 25               |
| SO <sub>2</sub>  | 50               |
| NO <sub>x</sub>  | 50               |
| CO               | 250              |

The total facility licensed emissions are below the emission levels contained in the table above and there are no extenuating circumstances; therefore, an ambient air quality impact analysis is not required as part of this license.

### ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards, and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-614-71-F-R/M subject to the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

### STANDARD CONDITIONS

- (1) Employees and authorized representatives of the Department shall be allowed access to the licensee's premises during business hours, or any time during which any emissions units are in operation, and at such other times as the Department deems necessary for the purpose of performing tests, collecting samples, conducting inspections, or examining and copying records relating to emissions (38 M.R.S.A. §347-C).
- (2) The licensee shall acquire a new or amended air emission license prior to commencing construction of a modification, unless specifically provided for in Chapter 115. [06-096 CMR 115]
- (3) Approval to construct shall become invalid if the source has not commenced construction within eighteen (18) months after receipt of such approval or if



construction is discontinued for a period of eighteen (18) months or more. The Department may extend this time period upon a satisfactory showing that an extension is justified, but may condition such extension upon a review of either the control technology analysis or the ambient air quality standards analysis, or both. [06-096 CMR 115]

- (4) The licensee shall establish and maintain a continuing program of best management practices for suppression of fugitive particulate matter during any period of construction, reconstruction, or operation which may result in fugitive dust, and shall submit a description of the program to the Department upon request. [06-096 CMR 115]
- (5) The licensee shall pay the annual air emission license fee to the Department, calculated pursuant to Title 38 M.R.S.A. §353-A. [06-096 CMR 115]
- (6) The license does not convey any property rights of any sort, or any exclusive privilege. [06-096 CMR 115]
- (7) The licensee shall maintain and operate all emission units and air pollution systems required by the air emission license in a manner consistent with good air pollution control practice for minimizing emissions. [06-096 CMR 115]
- (8) The licensee shall maintain sufficient records to accurately document compliance with emission standards and license conditions and shall maintain such records for a minimum of six (6) years. The records shall be submitted to the Department upon written request. [06-096 CMR 115]
- (9) The licensee shall comply with all terms and conditions of the air emission license. The filing of an appeal by the licensee, the notification of planned changes or anticipated noncompliance by the licensee, or the filing of an application by the licensee for a renewal of a license or amendment shall not stay any condition of the license. [06-096 CMR 115]
- (10) The licensee may not use as a defense in an enforcement action that the disruption, cessation, or reduction of licensed operations would have been necessary in order to maintain compliance with the conditions of the air emission license. [06-096 CMR 115]
- (11) In accordance with the Department's air emission compliance test protocol and 40 CFR Part 60 or other method approved or required by the Department, the licensee shall:
  - A. perform stack testing to demonstrate compliance with the applicable emission standards under circumstances representative of the facility's normal process and operating conditions:

1. within sixty (60) calendar days of receipt of a notification to test from the Department or EPA, if visible emissions, equipment operating parameters, staff inspection, air monitoring or other cause indicate to the Department that equipment may be operating out of compliance with emission standards or license conditions; or
    2. pursuant to any other requirement of this license to perform stack testing.
  - B. install or make provisions to install test ports that meet the criteria of 40 CFR Part 60, Appendix A, and test platforms, if necessary, and other accommodations necessary to allow emission testing; and
  - C. submit a written report to the Department within thirty (30) days from date of test completion.
- [06-096 CMR 115]
- (12) If the results of a stack test performed under circumstances representative of the facility's normal process and operating conditions indicate emissions in excess of the applicable standards, then:
- A. within thirty (30) days following receipt of such test results, the licensee shall re-test the non-complying emission source under circumstances representative of the facility's normal process and operating conditions and in accordance with the Department's air emission compliance test protocol and 40 CFR Part 60 or other method approved or required by the Department; and
  - B. the days of violation shall be presumed to include the date of stack test and each and every day of operation thereafter until compliance is demonstrated under normal and representative process and operating conditions, except to the extent that the facility can prove to the satisfaction of the Department that there were intervening days during which no violation occurred or that the violation was not continuing in nature; and
  - C. the licensee may, upon the approval of the Department following the successful demonstration of compliance at alternative load conditions, operate under such alternative load conditions on an interim basis prior to a demonstration of compliance under normal and representative process and operating conditions.
- [06-096 CMR 115]
- (13) Notwithstanding any other provisions in the State Implementation Plan approved by the EPA or Section 114(a) of the CAA, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any statute, regulation, or Part 70 license requirement. [06-096 CMR 115]
- (14) The licensee shall maintain records of malfunctions, failures, downtime, and any other similar change in operation of air pollution control systems or the emissions unit itself that would affect emissions and that is not consistent with the terms and conditions of the air emission license. The licensee shall notify the Department within two (2) days or the next state working day, whichever is later, of such occasions where such changes result in an increase of emissions. The licensee

shall report all excess emissions in the units of the applicable emission limitation. [06-096 CMR 115]

- (15) Upon written request from the Department, the licensee shall establish and maintain such records, make such reports, install, use and maintain such monitoring equipment, sample such emissions (in accordance with such methods, at such locations, at such intervals, and in such a manner as the Department shall prescribe), and provide other information as the Department may reasonably require to determine the licensee's compliance status. [06-096 CMR 115]

### **SPECIFIC CONDITIONS**

**(16) Generator #3**

- A. Generator #3 is limited to 500 hours per year of operation, based on a 12-month rolling total. An hour meter shall be maintained and operated to demonstrate compliance. [06-096 CMR 115, BPT]
- B. The fuel oil sulfur content for Generator #3 shall be limited to 0.0015% sulfur by weight. Compliance shall be demonstrated by fuel records from the supplier documenting the type of fuel delivered and the sulfur content of the fuel. [06-096 CMR 115, BPT and 40 CFR §63.6604(a)]
- C. Emissions shall not exceed the following:

| <u>Unit</u>  | <u>Pollutant</u> | <u>lb/MMBtu</u> | <u>Origin and Authority</u> |
|--------------|------------------|-----------------|-----------------------------|
| Generator #3 | PM               | 0.12            | 06-096 CMR 103(2)(B)(1)(a)  |

- D. Emissions shall not exceed the following [06-096 CMR 115, BPT]:

| <u>Unit</u>  | <u>PM<br/>(lb/hr)</u> | <u>PM<sub>10</sub><br/>(lb/hr)</u> | <u>SO<sub>2</sub><br/>(lb/hr)</u> | <u>NO<sub>x</sub><br/>(lb/hr)</u> | <u>CO<br/>(lb/hr)</u>     | <u>CO<br/>(lb/hr)</u>    | <u>VOC<br/>(lb/hr)</u> |
|--------------|-----------------------|------------------------------------|-----------------------------------|-----------------------------------|---------------------------|--------------------------|------------------------|
| Generator #3 | 2.55                  | 2.55                               | 0.03                              | 72.00                             | 18.05<br>before<br>5/3/14 | 5.42*<br>after<br>5/3/14 | 1.91                   |

\*or 23 ppmvd CO at 15% O<sub>2</sub>

- E. Visible emissions from Generator #3 shall not exceed 30% opacity on a 6 minute block average, except for no more than two (2) six (6) minute block averages in a 3 hour period. [06-096 CMR 101]

F. No later than May 3, 2014, Generator #3 shall meet the applicable requirements of 40 CFR Part 63, Subpart ZZZZ, including the following:

1. Emera shall meet the following operational limitations for Generator #3:
  - a. Limit the concentration of CO in the exhaust to 23 ppmvd at 15% O<sub>2</sub> or Reduce CO emissions by 70% or more;
  - b. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply;
  - c. Maintain the catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test; and
  - d. Maintain the temperature of the exhaust so that the catalyst inlet temperature is 450°F – 1350°F.  
[40 CFR §63.6603(a), Table 2(b), Table 2(d) and 06-096 CMR 115, BPT]
2. Crankcase Filtration  
Emera shall operate on Generator #3 an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.  
[40 CFR §63.6625(g)(2) and 06-096 CMR 115, BPT]
3. Continuous Parameter Monitoring System (CPMS)
  - a. Emera shall install, operate, and maintain a CPMS on Generator #3.
  - b. Emera shall monitor the catalyst inlet temperature and reduce this data to 4-hour rolling averages to demonstrate compliance with the limitations on the catalyst inlet temperature range.
  - c. Emera shall monitor the pressure drop across the catalyst once per month to demonstrate compliance with the operating limit established during the last performance test.
  - d. Emera shall prepare a site-specific monitoring plan that addresses the requirements outlined in 40 CFR §63.6625(b)(1).
  - e. The CPMS shall be continuously operated in accordance with the site-specific monitoring plan at all times that Generator #3 is operating except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities.
  - f. The CPMS shall collect data at least once every 15 minutes.
  - g. The minimum tolerance for a CPMS measuring temperature is 5°F or 1% of the measurement range, whichever is larger.
  - h. CPMS audit procedures shall be performed at least annually.  
[40 CFR §63.6625(b), §63.6635, Table 6, and 06-096 CMR 115, BPT]

**4. Performance Tests**

- a. Emera shall conduct an initial performance test in accordance with Table 4 of Subpart ZZZZ within 180 days of startup after installation of controls but no later than October 30, 2014. [40 CFR §63.6612(a)]
- b. Emera shall conduct three separate test runs for each performance test. Each test run must be at least 1 hour, unless otherwise specified. [40 CFR §63.6620(d)]
- c. The engine percent load during a performance test shall be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination shall be included in the notification of compliance status. The report shall contain the information specified in 40 CFR §63.6620(i).
- d. During the performance test the facility must establish the pressure drop across the catalyst to be used to demonstrate compliance per the CPMS. [40 CFR §63.6630(b)]
- e. If the facility changes the catalyst, Emera shall reestablish the values of the operating parameters measured during the performance test. In order to reestablish the operating parameters, the facility shall conduct a performance test to demonstrate that the required emission limitation is being met. [40 CFR §63.6640(b)]
- f. Emera shall perform performance tests every 8,760 hours of operation or 3 years, whichever comes first. (Due to the 500 hr/year limit on Generator #3, the 3 years should always come first.) [40 CFR §63.6640(a), Table 3, and Table 6]  
[06-096 CMR 115, BPT]

**5. General Requirement to Minimize Emissions**

At all times the facility shall operate and maintain Generator #3, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR §63.6605(b) and 06-096 CMR 115, BPT]

**6. Reporting**

Emera shall submit to EPA all reports required by Subpart ZZZZ including, but not limited to, the following:

- a. Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin. [40 CFR §63.6645(g)]
- b. Notification of Compliance Status within 60 days of completion of the initial compliance test. [40 CFR §63.6645(h)]
- c. Semiannual Compliance Reports. [40 CFR §63.6650 and Table 7]  
[06-096 CMR 115, BPT]

**7. Record Keeping**

Emera shall keep all records required by Subpart ZZZ including, but not limited to, the following:

- a. A copy of each notification and report that was submitted to comply with Subpart ZZZZ, including all supporting documentation;
- b. Records of the occurrence and duration of each malfunction of the engine, pollution control equipment, or monitoring equipment;
- c. Records of performance tests and performance evaluations;
- d. Records of actions taken during periods of malfunction to minimize emissions, including corrective actions taken to restore normal operation;
- e. Monitoring data from the CPMS; and
- f. Records of maintenance conducted on Generator #3 and control equipment to demonstrate the equipment was operated and maintained according to the maintenance plan.

[40 CFR §63.6655 and 06-096 CMR 115, BPT]

- (17) Emera shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard (38 M.R.S.A. §605).

DONE AND DATED IN AUGUSTA, MAINE THIS 28 DAY OF January, 2014.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Mare Allen Robert Corne for  
PATRICIA W. AHO, COMMISSIONER

**The term of this license shall be ten (10) years from the signature date above.**

[Note: If a complete renewal application, as determined by the Department, is submitted prior to expiration of this license, then pursuant to Title 5 MRSA §10002, all terms and conditions of the license shall remain in effect until the Department takes final action on the renewal of the license.]

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 12/2/13

Date of application acceptance: 12/2/13

Date filed with the Board of Environmental Protection:

This Order prepared by Lynn Poland, Bureau of Air Quality.

